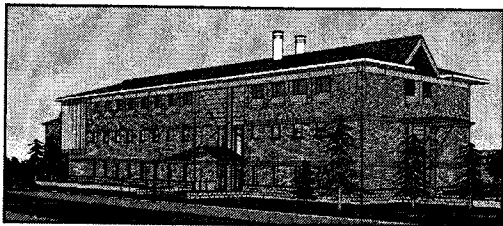


The Vision ...

A state-of-the-art Animal Bioscience Facility will allow the growth and expansion of education and research programs that better meet current and future needs of agriculture and the livestock industry.



The Complex is an integral part of the Long Range Plan of MSU and the College of Agriculture/Montana Agricultural Experiment Station to:

- increase competitiveness and profitability of agriculture,
- increase understanding of nature resources and environmental quality,
- improve the quality of life, and
- capture added value of regional and national resources in a global economy

Programs will increase competitiveness and profitability of agriculture, especially the livestock industry, and prepare the agriculture community for the 21st century.

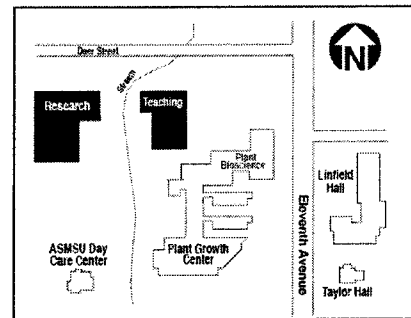
The Complex will provide opportunities to promote wise multiple-use stewardship of Montana's natural resources and celebrate Montana's rich heritage in livestock and natural resources.

The Project ...

The \$36.5 million Animal Bioscience Complex will consist of two buildings: an USDA-Agricultural Research Service research building and a MSU teaching facility.

Research Facility ...The \$24 million research building funded, built, and staffed by USDA-ARS will be dedicated to work on functional bovine genetics in partnership with the MSU College of Agriculture, USDA-ARS in Miles City and the U.S. Meat Animal Research Facility at Clay Center, Neb. The goal is to unlock the genetic information needed to enhance efficient production of safe, consistently high-quality meat products. *Highlights include:*

- State-of-the-art multi-user research facilities
- New opportunities for increased grant funding and academic-industry partnerships
- Increased competitiveness of Montana's livestock industry.



Teaching Facility ...The \$12.5 million teaching facility will house the Department of Animal and Range Sciences. The outreach capabilities of the facility will ensure that both students and producers are kept abreast of animal and range research conducted at MSU, including the functional genetics research occurring in the USDA-ARS facility.

Highlights include:

- Flexible, high-tech, specialized classrooms for MSU students.
- Multi-purpose, distance learning facilities for outreach education
- Improved educational opportunities for enrolled MSU students as well as off-campus learners.

The Need ...

As of 1/2007, MSU has raised \$8,930,000 to build the Animal Bioscience Teaching Facility. Funds or pledges for the remaining \$3.57 million must be secured by June 2007 in order to release the design of the new teaching facility, ask for a construction bid, and break ground in 2008. Without the additional funds, the project will be downsized or delayed, which will increase the final cost.



Ranchers Circle ... The Ranchers Circle recognizes ranches, businesses or individuals that commit \$10,000 or more to the teaching facility. Ranchers Circle members receive a gold lapel pin and are recognized in various ways by the College of Agriculture. There are currently 62 members.

For more information, contact the College of Agriculture:
406.994.3681 | agdean@montana.edu | <http://ag.montana.edu>

THE MSU ANIMAL BIOSCIENCE COMPLEX

January 2007

A Once in a 100-Year Opportunity to:

- Unlock the secret to enhancing the efficient production of safe, consistent, high quality meat products for consumers in the U.S. and the world through applications of the bovine genome sequence.
- Integrate collaborative research efforts involving Montana State University in Bozeman, MT (MSU), the United State Department of Agriculture – Agriculture Research Service (USDA-ARS), the Livestock and Range Research Laboratory at Miles City, MT (LARRL), and the U.S. Meat Animal Research Center at Clay Center, NE (MARC);
- Construct a \$36 Million Dollar Functional Genomics Research and Teaching Complex – consisting of two buildings: A federally-funded \$24M USDA- ARS Research Facility and a privately funded \$12.5M MSU Teaching Facility.

Why Montana? – Montana has provided key leadership in:

- Being #1 in the production of beef cattle seed stock, and a national leader in purebred registrations and exporting genetic resources around the world;
- Addressing the USDA-ARS need to apply the bovine genome sequencing information through on-the-ground application of desirable genes and gene combinations into desirable livestock traits;
- Providing DNA from Line 1 Hereford Cattle from the USDA-ARS Livestock at LARRL near Miles City, Montana for a \$53M Bovine Genome Sequencing Project in 2003 at the Baylor College of Medicine in Houston;
- The application of “functional genomics” as the key to the next generation of genetic advances in the livestock industry -- by identifying, exploiting, and multiplying desirable genes and gene combinations to improve/provide disease resistance, to improve nutrient utilization and management, and to improve nutritional value, food safety, and beef production efficiency;
- Securing the two largest grants in MSU history in one research area, to study the innate immune receptors of humans and baby beef calves through the MSU-College of Agriculture, Department of Veterinary Molecular Biology, who received over \$20M from the National Institute of Health in the last two years;
- Helping the livestock industry hold or increase its competitive advantage and remain on the cutting edge of technological advances.

Current progress:

- \$8.93M of private and MSU Foundation grants or pledges have been received (as of December 2006) as part of the \$12.5M of industry and private money needed to complement the USDA-ARS Research Facility.
CAN YOU HELP US RAISE THE REMAINING \$3.57M?
- \$6M has been appropriated by the U.S. Senate Ag Appropriation Committee in 2004-2005 for the planning and initial construction of the USDA-ARS Research Facility at MSU in Bozeman. Presently, the Senate Appropriations Committee has targeted an additional \$16M for the remainder of the USDA-ARS facility.
- Program money of approximately \$1M per year has been requested through the USDA-ARS budget to begin the funding of new scientists and support staff.
- Statewide industry support has been received from the Montana Beef Council, the Montana Stockgrowers Association, the Montana Farm Bureau Federation, and the Montana Angus Association.

Projected Timeline:

- The projected completion date for the project is no later than year 2010, with planning initiated in 2005, and construction to begin in 2008.

**YOU CAN HELP BY CONTACTING MSU PRESIDENT GEOFF GAMBLE AT 406-994-2341,
OR THE COLLEGE OF AGRICULTURE DEAN & DIRECTOR'S OFFICE AT 406-994-3681.
PLEASE ASK FOR JIM PETERSON OR SANDRA GERMANN. THANK YOU!!!**